

a means for emulating the operation of an "always connected" type I/O device driver to said application software during transmission of said communications;

wherein in response to said emulation means said application software functions as though said communications are being transmitted over an "always connected" type network with another computer system utilizing "always connected" type protocol and said communications are transmitted over said "connection establishment" type network without performing connection establishment steps.

2. (Original) The apparatus as described in Claim 1 wherein said emulation means comprises means for emulating "always connected" type network services.
3. (Original) The apparatus as described in Claim 2 wherein said emulation means comprises means for intercepting "always connected" type service messages received from said application software and means for generating "always connected" type service messages for transmitting to said application software in response to said service messages.
4. (Original) The apparatus as described in Claim 3 where "always connected" type network services are ARP services.
5. (Original) The apparatus as described in Claim 3 wherein said "always connected" type network services are DHCP services.

6. (Original) The apparatus as described in Claim[s] 4 wherein in response to an ARP message transmitted from said application software said emulation means transmits an ARP message to said application software which includes an associated address corresponding to a globally unique identification address of said apparatus, wherein said host computer perceives said associated address is a destination IP address of another computer system that is on a same "always connected" type network as said computer system, and wherein in response to receiving said ARP message including said associated address, said computer system passes said communication through said apparatus for transmission on said "connection establishment" type network.

7. (Original) The apparatus as described in Claim 5 wherein in response to a[n] DHCP message transmitted from said application software said emulation means transmits a DHCP message to said application software which includes an associated identifier corresponding to an IP address, wherein said computer system perceives said associated identifier is a dynamically assigned IP address, and wherein in response to receiving said DHCP message, including said associated identifier, said associated identifier is assigned to a TCP/IP stack so as to properly configure said TCP/IP stack of said computer system.

8. (Original) The apparatus as described in Claim 1 wherein said "always connected" type communications are LAN communications and said "always connection" type I/O device driver is a LAN I/O device driver.

9. (Original) The apparatus as described in Claim 1 wherein said "always connected" type communications are internet type communications and said "always connection" type I/O device driver is an internet type I/O device driver.

10. (Currently Amended) A method of transmitting communications between a remote computer system and a host server on a network having an associated "connection establishment" type protocol, said remote computer system having associated application software for facilitating "always connected" type communications, said method comprising the steps of:

initiating a transmission of a communication with said application software;

emulating the operation of an "always connected" type I/O device driver thereby causing said application software to function as though said communications are being transmitted over a network with another computer system utilizing an "always connected" type protocol and causing said application software to pass said communications to a wireless modem apparatus for transmission on said wireless network;

wherein said communications are transmitted over said "connection establishment" type network without performing connection establishment steps.

11. (Original) The method as describe in Claim 10 wherein said step of emulating the operation of an "always connected" type I/O device driver comprises the step of emulating "always connected" type network services.

12. (Original) The method as described in Claim 11 wherein said step of emulating comprises intercepting "always connected" type network service messages transmitted from said

application software and, in response, transmitting "always connected" type network service messages back to said application software.

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13. (Original) The method as described in Claim 12 wherein said "always connected" type network services include ARP services.

14. (Original) The method as described in Claim 12 wherein said "always connected" type network services include DHCP services.

15. (Original) The method as described in Claim 13 wherein said step of emulating comprises transmitting an ARP service message to said application software which includes an associated address corresponding to a globally unique identification address of said apparatus in response to an ARP message transmitted from said application software, wherein said host computer perceives said associated address is a destination IP address of another computer system that is on a same "always connected" type network as said computer system thereby causing said communications to be passed to said wireless modem apparatus.

16. (Currently Amended) The method as described in Claim 14 wherein said step of emulating comprises the step of transmitting a DHCP message to said application software which includes an associated identifier corresponding to an IP address in response to a[n] DHCP message transmitted from said application software, wherein said host computer perceives said associated identifier is a dynamically assigned IP address and said associated identifier is assigned to a TCP/IP stack within said computer system.

✓ 17 (Withdrawn).

18. (Withdrawn).

19. (Withdrawn).

20. (Withdrawn).

21. (Withdrawn).

22 (Withdrawn).

23. (Withdrawn).

24. (Withdrawn).

25. (Withdrawn).

26. (Withdrawn).

27. (Withdrawn).

28 (New) A method for transmitting communications through a wireless device over a "connection establishment" type network connection, the method comprising:

BA receiving a transmission of communication from application software, said transmission including a request for a network address; and

emulating the operation of an "always connected" type device driver by replying to a request for a network address with a network address corresponding to said wireless device.

29. (New) The method of claim 28, wherein said request for a network address is an ARP request.

30. (New) The method of claim 29, wherein said network address corresponding to said wireless device is a MAC address corresponding to a globally unique IP address of said wireless device.

31. (New) The method of claim 28, wherein said request for a network address is a DHCP request.

32. (New) The method of claim 31, wherein said network address corresponding to said wireless device is an IP address of said wireless device.

33 (New) An apparatus for transmitting communications through a wireless device over a "connection establishment" type network connection, the apparatus comprising:

means for receiving a transmission of communication from application software, said transmission including a request for a network address; and

means for emulating the operation of an "always connected" type device driver by replying to a request for a network address with a network address corresponding to said wireless device.

34. (New) The apparatus of claim 33, wherein said request for a network address is an ARP request.

35. (New) The apparatus of claim 34, wherein said network address corresponding to said wireless device is a MAC address corresponding to a globally unique IP address of said wireless device.

36. (New) The apparatus of claim 33, wherein said request for a network address is a DHCP request.

37. (New) The apparatus of claim 36, wherein said network address corresponding to said wireless device is an IP address of said wireless device.

38. (New) A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform a method for transmitting communications through a wireless device over a "connection establishment" type network connection, the method comprising:

receiving a transmission of communication from application software, said transmission

701 including a request for a network address; and

emulating the operation of an "always connected" type device driver by replying to a

request for a network address with a network address corresponding to said wireless device.
